=> d his

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	SEA PHYTOE? AND SYNTH?

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L1	QUE PHYTOE? AND SYNTH?

FILE 'CAPLUS, SCISEARCH, BIOSIS, USPATFULL, DGENE, TOXCENTER, MEDLINE, EMBASE, PASCAL, ESBIOBASE, CABA, GENBANK, BIOTECHNO, LIFESCI, AGRICOLA'

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L2 4956 S PHYTOE? (S) (SYNTH? OR DESATUR?)
L3 1519 S L2 (S) PLANT?
L4 267 S L3 (S) (TOBACC? OR NICOTIAN?)
L5 176 DUP REM L4 (91 DUPLICATES REMOVED)
L6 243 S L4 (S) (GENE? OR RECOMBIN? OR ISOLAT? OR CLON?)
L7 167 DUP REM L6 (76 DUPLICATES REMOVED)
L8 167 S L7 AND L5

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NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Apr 11	Display formats in DGENE enhanced
NEWS 32	Apr 14	MEDLINE Reload
NEWS 33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 35	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
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NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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=> index bioscience medicine
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s phytoe? and synth?

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  53 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

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F52          1   HEALSAFE
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=> file f1-f15
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       1.65       1.86

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=> s phytoe? (s) (synth? or desatur?)
   6 FILES SEARCHED...
  14 FILES SEARCHED...
L2   4956 PHYTOE? (S) (SYNTH? OR DESATUR?)

=> s l2 (s) plant?
  11 FILES SEARCHED...
L3   1519 L2 (S) PLANT?

=> s l3 (s) (tobacc? or nicotian?)
  13 FILES SEARCHED...
L4   267 L3 (S) (TOBACC? OR NICOTIAN?)

=> dup rem l4
DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L4
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=> d ti l5 1-176

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TI   Method of isolating human cDNAs by transfecting a nucleic acid sequence
       of a non-plant donor into a host plant in an anti-sense orientation

L5   ANSWER 2 OF 176 USPATFULL
TI   Method of humanizing plant cDNAs by transfecting a nucleic acid sequence
       of a non-plant donor into a host plant in an anti-sense orientation

L5   ANSWER 3 OF 176 USPATFULL
TI   Herbicide resistant plants

L5   ANSWER 4 OF 176 USPATFULL
TI   Method of humanizing plant cDNA

L5   ANSWER 5 OF 176 USPATFULL
TI   Expression of eukaryotic peptides in plant plastids

L5   ANSWER 6 OF 176 USPATFULL
TI   Manipulation of genes of the mevalonate and isoprenoid pathways to
       create novel traits in transgenic organisms

L5   ANSWER 7 OF 176 USPATFULL
TI   Method of isolating human cDNA

L5   ANSWER 8 OF 176 USPATFULL
TI   Method of identifying a nucleic acid sequence in a plant

L5   ANSWER 9 OF 176 USPATFULL
TI   Method of determining the presence of a trait in a plant by transfecting
       a nucleic acid sequence of a donor plant into a different host plant in
       an anti-sense orientation

L5   ANSWER 10 OF 176 USPATFULL
TI   Method of determining the function of nucleotide sequences and the
       proteins they encode by transfecting the same into a host

L5   ANSWER 11 OF 176 USPATFULL
TI   Method of increasing grain crop

L5 ANSWER 12 OF 176 USPATFULL
TI Episomal non-transforming nucleic acid elements in functional genomic and antigenic applications

L5 ANSWER 13 OF 176 USPATFULL
TI Cytoplasmic gene inhibition or gene expression in transfected plants by a tobraviral vector

L5 ANSWER 14 OF 176 USPATFULL
TI Cytoplasmic inhibition of gene expression and expression of a foreign protein in a monocot plant by a plant viral vector

L5 ANSWER 15 OF 176 USPATFULL
TI Cytoplasmic inhibition of gene expression

L5 ANSWER 16 OF 176 USPATFULL
TI Novel constructs and their use in metabolic pathway engineering

L5 ANSWER 17 OF 176 USPATFULL
TI Method of finding modulators of enzymes of the carotenoid biosynthetic pathway

L5 ANSWER 18 OF 176 USPATFULL
TI Method for conferring herbicide, pest, or disease resistance in plant hosts

L5 ANSWER 19 OF 176 USPATFULL
TI EXPRESSION OF EUKARYOTIC PEPTIDES IN PLANT PLASTIDS

L5 ANSWER 20 OF 176 USPATFULL
TI Expression of herbicide tolerance genes in plant plastids

L5 ANSWER 21 OF 176 USPATFULL
TI Method of compiling a functional gene profile in a plant by transfecting a nucleic acid sequence of a donor plant into a different host plant in an anti-sense orientation

L5 ANSWER 22 OF 176 USPATFULL
TI Cytoplasmic inhibition of gene expression in a plant

L5 ANSWER 23 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 1
TI Transformation of tobacco with a mutated cyanobacterial phytoene desaturase gene confers resistance to bleaching herbicides

L5 ANSWER 24 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 2
TI Isoprenoid biosynthesis in higher plants and in Escherichia coli: on the branching in the methylerythritol phosphate pathway and the independent biosynthesis of isopentenyl diphosphate and dimethylallyl diphosphate

L5 ANSWER 25 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3
TI Functional analysis of the early steps of carotenoid biosynthesis in tobacco

L5 ANSWER 26 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 4
TI Barley stripe mosaic virus-induced gene silencing in a monocot plant

L5 ANSWER 27 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 5
TI Stimulation of carotenoid metabolism in arbuscular mycorrhizal roots

L5 ANSWER 28 OF 176 CAPLUS COPYRIGHT 2003 ACS
TI Use of sense and antisense expression of DNA sequences in plants to identify their coding function

L5 ANSWER 29 OF 176 CAPLUS COPYRIGHT 2003 ACS
TI Tobacco .zeta.-carotene desaturase and phytoene synthase and cDNAs and

methods for herbicide screening

L5 ANSWER 30 OF 176 USPATFULL
TI CYTOPLASMIC INHIBITION OF GENE EXPRESSION BY VIRAL RNA

L5 ANSWER 31 OF 176 USPATFULL
TI Method for conferring herbicide, pest, or disease resistance in plant hosts

L5 ANSWER 32 OF 176 USPATFULL
TI Enhancer elements for increased translation in plant plastids

L5 ANSWER 33 OF 176 USPATFULL
TI Tomato gene B polynucleotides coding for lycopene cyclase

L5 ANSWER 34 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 6
TI Bleaching activities of substituted pyrimidines and structure-activity comparison to related heterocyclic derivatives

L5 ANSWER 35 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 7
TI Metabolic engineering of astaxanthin production in tobacco flowers

L5 ANSWER 36 OF 176 CABA COPYRIGHT 2003 CABI
TI Biosynthesis of carotenoids in the chloroplasts of algae and higher plants.

L5 ANSWER 37 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 8
TI Production of the isoflavones genistein and daidzein in non-legume dicot and monocot tissues

L5 ANSWER 38 OF 176 USPATFULL
TI Cytoplasmic inhibition of gene expression

L5 ANSWER 39 OF 176 USPATFULL
TI Lycopene cyclase gene

L5 ANSWER 40 OF 176 USPATFULL
TI DNA sequence encoding nicotiana squalene synthetase

L5 ANSWER 41 OF 176 USPATFULL
TI DNA sequences encoding enzymes useful in phytoene biosynthesis

L5 ANSWER 42 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 9
TI Initiation and maintenance of virus-induced gene silencing

L5 ANSWER 43 OF 176 CABA COPYRIGHT 2003 CABI
TI Carotenoid biosynthesis inhibitor herbicides - mode of action and resistance mechanisms.

L5 ANSWER 44 OF 176 USPATFULL
TI Biosynthesis of zeaxanthin and glycosylated zeaxanthin in genetically engineered hosts

L5 ANSWER 45 OF 176 USPATFULL
TI Beta-carotene biosynthesis in genetically engineered hosts

L5 ANSWER 46 OF 176 USPATFULL
TI Enhanced carotenoid accumulation in storage organs of genetically engineered plants

L5 ANSWER 47 OF 176 USPATFULL
TI Phytoene biosynthesis in genetically engineered hosts

L5 ANSWER 48 OF 176 USPATFULL
TI DNA sequences encoding enzymes useful in carotenoid biosynthesis

L5 ANSWER 49 OF 176 USPATFULL
TI Lycopene biosynthesis in genetically engineered hosts

L5 ANSWER 50 OF 176 USPATFULL
TI Beta-carotene biosynthesis in genetically engineered hosts

L5 ANSWER 51 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 10
TI CLONING AND CHARACTERIZATION OF THE CDNA FOR LYCOPENE BETA-CYCLASE FROM TOMATO REVEALS DECREASE IN ITS EXPRESSION DURING FRUIT RIPENING

L5 ANSWER 52 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 11
TI REGULATION OF A CAROTENOID BIOSYNTHESIS GENE PROMOTER DURING PLANT DEVELOPMENT

L5 ANSWER 53 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 12
TI Mode of action of herbicides affecting carotenogenesis

L5 ANSWER 54 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 13
TI CYTOPLASMIC INHIBITION OF CAROTENOID BIOSYNTHESIS WITH VIRUS-DERIVED RNA

L5 ANSWER 55 OF 176 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of transgenic plants resistant to .zeta.-carotene desaturase inhibitor herbicides

L5 ANSWER 56 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 14
TI ISOLATION, SEQUENCE, AND CHARACTERIZATION OF THE CERCOSPORA-NICOTIANAE PHYTOENE DEHYDROGENASE GENE

L5 ANSWER 57 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 15
TI Expression of an Erwinia phytoene desaturase gene not only confers multiple resistance to herbicides interfering with carotenoid biosynthesis but also alters xanthophyll metabolism in transgenic plants

L5 ANSWER 58 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 16
TI Functional expression of the Erwinia uredovora carotenoid biosynthesis gene crtI in transgenic plants showing an increase of .beta.-carotene biosynthesis activity and resistance to the bleaching herbicide norflurazon

L5 ANSWER 59 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 17
TI IMMUNOGOLD LOCALIZATION OF PHYTOENE DESATURASE IN HIGHER-PLANT CHLOROPLASTS

L5 ANSWER 60 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 61 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 62 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 63 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Producing plants, especially banana, cotton, maize, tomato or vine, resistant to herbicides -

L5 ANSWER 64 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 65 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 66 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 67 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 68 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H - used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon

L5 ANSWER 69 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 70 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes - esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 71 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes - esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 72 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes - esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 73 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 74 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 75 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 76 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 77 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 78 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 79 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 80 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes - esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 81 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Biosynthesis of carotenoid(s) in genetically engineered hosts - using DNA encoding enzymes from Erwinia herbicola

L5 ANSWER 82 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Novel nucleic acid vector, useful for producing transgenic plants, comprises a plant active promoter linked to a recombinant tobacco rattle virus cDNA -

L5 ANSWER 83 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Novel nucleic acid vector, useful for producing transgenic plants, comprises a plant active promoter linked to a recombinant tobacco rattle virus cDNA -

L5 ANSWER 84 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Novel nucleic acid vector, useful for producing transgenic plants, comprises a plant active promoter linked to a recombinant tobacco rattle virus cDNA -

L5 ANSWER 85 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Novel nucleic acid vector, useful for producing transgenic plants, comprises a plant active promoter linked to a recombinant tobacco rattle virus cDNA -

L5 ANSWER 86 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Novel nucleic acid vector, useful for producing transgenic plants, comprises a plant active promoter linked to a recombinant tobacco rattle virus cDNA -

L5 ANSWER 87 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Novel nucleic acid vector, useful for producing transgenic plants, comprises a plant active promoter linked to a recombinant tobacco rattle virus cDNA -

L5 ANSWER 88 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 89 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 90 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 91 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 92 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 93 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 94 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 95 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 96 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 97 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 98 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 99 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 100 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 101 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 102 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 103 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 104 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 105 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 106 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 107 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 108 OF 176 DGENE (C) 2003 THOMSON DERWENT

TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 109 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 110 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 111 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 112 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 113 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 114 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 115 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 116 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -

L5 ANSWER 117 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Identifying and isolating genes involved in determining the trait or phenotype of plant species, by infecting plants with gene silencing constructs targeted to the gene, and identifying plants with altered traits -

L5 ANSWER 118 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 119 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 120 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 121 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 122 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 123 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 124 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 125 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 126 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 127 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 128 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 129 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

L5 ANSWER 130 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Producing plants, especially banana, cotton, maize, tomato or vine, resistant to herbicides -

L5 ANSWER 131 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 132 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 133 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 134 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 135 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 136 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 137 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 138 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase**

polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 139 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 140 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 141 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 142 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 143 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 144 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 145 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding **tobacco phytoene synthase** polypeptides - useful for producing recombinant polypeptides or transgenic **plants**

L5 ANSWER 146 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H - used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon

L5 ANSWER 147 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H - used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon

L5 ANSWER 148 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H - used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon

L5 ANSWER 149 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H - used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon

L5 ANSWER 150 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H - used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon

L5 ANSWER 151 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the

biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 152 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 153 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 154 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 155 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 156 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 157 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 158 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 159 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 160 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 161 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 162 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI New nucleic acids encoding squalene synthetase - used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

L5 ANSWER 163 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes - esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 164 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes -

esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 165 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes - esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 166 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Transformed plants containing DNA encoding Erwinia herbicola enzymes - esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

L5 ANSWER 167 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 168 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 169 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 170 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 171 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 172 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 173 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 174 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Increasing prodn. of total carotenoid(s) in a higher plant - by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

L5 ANSWER 175 OF 176 DGENE (C) 2003 THOMSON DERWENT
TI Biosynthesis of carotenoid(s) in genetically engineered hosts - using DNA encoding enzymes from Erwinia herbicola

L5 ANSWER 176 OF 176 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Direct Submission

=> s l5 (s) (gene? or clon? or recombin? or isolat?)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L55 (S) '

<------User Break------>

SEARCH ENDED BY USER

=> d his

(FILE 'HOME' ENTERED AT 11:38:27 ON 24 APR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:38:40 ON 24 APR 2003

SEA PHYTOE? AND SYNTH?

9	FILE ADISCTI
1	FILE ADISNEWS
144	FILE AGRICOLA
2	FILE ANABSTR
19	FILE AQUASCI
23	FILE BIOBUSINESS
1	FILE BIOCOMMERCE
514	FILE BIOSIS
69	FILE BIOTECHABS
69	FILE BIOTECHDS
195	FILE BIOTECHNO
249	FILE CABA
72	FILE CANCERLIT
842	FILE CAPLUS
14	FILE CEABA-VTB
4	FILE CEN
2	FILE CIN
2	FILE CONFSCI
4	FILE CROPB
44	FILE CROPU
5	FILE DDFB
32	FILE DDFU
466	FILE DGENE
5	FILE DRUGB
48	FILE DRUGU
9	FILE EMBAL
345	FILE EMBASE
255	FILE ESBIOBASE
24	FILE FEDRIP
58	FILE FROSTI
66	FILE FSTA
220	FILE GENBANK
1	FILE HEALSAFE
56	FILE IFIPAT
30	FILE JICST-EPLUS
1	FILE KOSMET
160	FILE LIFESCI
352	FILE MEDLINE
2	FILE NIOSHTIC
6	FILE NUTRACEUT
2	FILE OCEAN
318	FILE PASCAL
2	FILE PHIN
53	FILE PROMT
533	FILE SCISEARCH
356	FILE TOXCENTER
492	FILE USPATFULL
14	FILE USPAT2
79	FILE WPIDS
79	FILE WPINDEX

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                3   FILE IPA
               11   FILE NAPRALERT
               53   FILE NLDB
L1               QUE PHYTOE? AND SYNTH?
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     FILE 'CAPLUS, SCISEARCH, BIOSIS, USPATFULL, DGENE, TOXCENTER, MEDLINE,
     EMBASE, PASCAL, ESBIOBASE, CABA, GENBANK, BIOTECHNO, LIFESCI, AGRICOLA'
     ENTERED AT 11:40:17 ON 24 APR 2003
L2          4956 S PHYTOE? (S) (SYNTH? OR DESATUR?)
L3          1519 S L2 (S) PLANT?
L4           267 S L3 (S) (TOBACC? OR NICOTIAN?)
L5           176 DUP REM L4 (91 DUPLICATES REMOVED)

=> s l4 (s) (gene? or recombin? or isolat? or clon?)
   3 FILES SEARCHED...
   5 FILES SEARCHED...
   7 FILES SEARCHED...
   9 FILES SEARCHED...
  10 FILES SEARCHED...
  12 FILES SEARCHED...
  14 FILES SEARCHED...
L6          243 L4 (S) (GENE? OR RECOMBIN? OR ISOLAT? OR CLON?)

=> dup rem l6
DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L6
L7           167 DUP REM L6 (76 DUPLICATES REMOVED)

=> s l7 and l5
L8          167 L7 AND L5

=> d his

     (FILE 'HOME' ENTERED AT 11:38:27 ON 24 APR 2003)

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
     BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
     CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
     DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:38:40 ON
     24 APR 2003
               SEA PHYTOE? AND SYNTH?
               ---------
                9   FILE ADISCTI
                1   FILE ADISNEWS
              144   FILE AGRICOLA
                2   FILE ANABSTR
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                2   FILE CIN
                2   FILE CONFSCI
                4   FILE CROPB
               44   FILE CROPU
                5   FILE DDFB
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                32    FILE DDFU
               466    FILE DGENE
                 5    FILE DRUGB
                48    FILE DRUGU
                 9    FILE EMBAL
               345    FILE EMBASE
               255    FILE ESBIOBASE
                24    FILE FEDRIP
                58    FILE FROSTI
                66    FILE FSTA
               220    FILE GENBANK
                 1    FILE HEALSAFE
                56    FILE IFIPAT
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                 1    FILE KOSMET
               160    FILE LIFESCI
               352    FILE MEDLINE
                 2    FILE NIOSHTIC
                 6    FILE NUTRACEUT
                 2    FILE OCEAN
               318    FILE PASCAL
                 2    FILE PHIN
                53    FILE PROMT
               533    FILE SCISEARCH
               356    FILE TOXCENTER
               492    FILE USPATFULL
                14    FILE USPAT2
                79    FILE WPIDS
                79    FILE WPINDEX
                 3    FILE IPA
                11    FILE NAPRALERT
                53    FILE NLDB
L1               QUE PHYTOE? AND SYNTH?
                 ---------

     FILE 'CAPLUS, SCISEARCH, BIOSIS, USPATFULL, DGENE, TOXCENTER, MEDLINE,
     EMBASE, PASCAL, ESBIOBASE, CABA, GENBANK, BIOTECHNO, LIFESCI, AGRICOLA'
     ENTERED AT 11:40:17 ON 24 APR 2003
L2          4956 S PHYTOE? (S) (SYNTH? OR DESATUR?)
L3          1519 S L2 (S) PLANT?
L4           267 S L3 (S) (TOBACC? OR NICOTIAN?)
L5           176 DUP REM L4 (91 DUPLICATES REMOVED)
L6           243 S L4 (S) (GENE? OR RECOMBIN? OR ISOLAT? OR CLON?)
L7           167 DUP REM L6 (76 DUPLICATES REMOVED)
L8           167 S L7 AND L5

=> log h
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                67.19      69.05

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:56:29 ON 24 APR 2003
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WEST

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Main Menu | Search Form | Posting Counts | Show S Numbers | Edit S Numbers | Preferences | Cases

Search Results -

Terms	Documents
L2 same (gene$3 or isolat$3 or recombin$4 or clon$4)	39

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L3

Refine Search

Recall Text | Clear

Search History

DATE: Thursday, April 24, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR			
L3	L2 same (gene$3 or isolat$3 or recombin$4 or clon$4)	39	L3
L2	L1 same (tobacc$4 or nicotia$4)	42	L2
L1	phytoe$3 same (syntha$3 or desaturas$3)	240	L1

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 39 returned.

☐ 1. Document ID: US 20030077619 A1

L3: Entry 1 of 39 File: PGPB Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030077619
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030077619 A1

TITLE: Method of isolating human cDNAs by transfecting a nucleic acid sequence of a non-plant donor into a host plant in an anti-sense orientation

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
della-Cioppa, Guy R.	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	

US-CL-CURRENT: 435/6; 800/288

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 2. Document ID: US 20030064392 A1

L3: Entry 2 of 39 File: PGPB Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030064392
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030064392 A1

TITLE: Method of humanizing plant cDNAs by transfecting a nucleic acid sequence of a non-plant donor into a host plant in an anti-sense orientation

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
della-Cioppa, Guy R.	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	

US-CL-CURRENT: 435/6; 800/288

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc
Image

☐ 3. Document ID: US 20030041357 A1

L3: Entry 3 of 39 File: PGPB Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030041357
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030041357 A1

TITLE: Herbicide resistant plants

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jepson, Ian	Bracknell		GB	
Thomas, Paul Graham	Bracknell		GB	
Thompson, Paul Anthony	Bracknell		GB	
Hawkes, Timothy Robert	Bracknell		GB	
Knight, Mary Elizabeth	Norwich		GB	

US-CL-CURRENT: 800/300; 435/320.1, 536/23.7, 800/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

☐ 4. Document ID: US 20030041355 A1

L3: Entry 4 of 39 File: PGPB Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030041355
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030041355 A1

TITLE: Method of humanizing plant cDNA

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
della-Cioppa, Guy R.	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	

US-CL-CURRENT: 800/288; 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

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5. Document ID: US 20030033636 A1

L3: Entry 5 of 39 File: PGPB Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033636
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030033636 A1

TITLE: Expression of eukaryotic peptides in plant plastids

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Staub, Jeffrey M.	Chesterfield	MO	US	

US-CL-CURRENT: 800/288; 435/320.1, 435/419, 435/468, 435/69.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc | Image

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6. Document ID: US 20030028926 A1

L3: Entry 6 of 39 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028926
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030028926 A1

TITLE: Method of isolating human cDNA

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
della-Cioppa, Guy R.	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	

US-CL-CURRENT: 800/288; 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc | Image

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7. Document ID: US 20030027183 A1

L3: Entry 7 of 39 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027183
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030027183 A1

TITLE: Method of identifying a nucleic acid sequence in a plant

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
della-Cioppa, Guy R.	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	

US-CL-CURRENT: 435/6; 800/278, 800/280

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 8. Document ID: US 20030027182 A1

L3: Entry 8 of 39 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027182
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030027182 A1

TITLE: Method of determining the presence of a trait in a plant by transfecting a nucleic acid sequence of a donor plant into a different host plant in an anti-sense orientation

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
Della-Cioppa, Guy R.	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	

US-CL-CURRENT: 435/6; 800/288

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 9. Document ID: US 20030027173 A1

L3: Entry 9 of 39 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027173
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030027173 A1

TITLE: Method of determining the function of nucleotide sequences and the proteins they encode by transfecting the same into a host

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Della-Cioppa, Guy	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
Fitzmaurice, Wayne P.	Vacaville	CA	US	
Hanley, Kathleen	Vacaville	CA	US	
Kumagai, Monto H.	Davis	CA	US	
Lindbo, John A.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	
Padgett, Hal S.	Vacaville	CA	US	
Pogue, Gregory P.	Vacaville	CA	US	

US-CL-CURRENT: 435/6; 800/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

☐ 10. Document ID: US 20030024008 A1

L3: Entry 10 of 39 File: PGPB Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030024008
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030024008 A1

TITLE: Method of increasing grain crop

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
Della-Cioppa, Guy R.	Vacaville	CA	US	
Erwin, Robert L.	Vacaville	CA	US	
McGee, David R.	Vacaville	CA	US	

US-CL-CURRENT: 800/278; 800/320.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

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Terms	Documents
L2 same (gene$3 or isolat$3 or recombin$4 or clon$4)	39

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Search Results - Record(s) 11 through 20 of 39 returned.

☐ 11. Document ID: US 20020182626 A1

L3: Entry 11 of 39 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182626
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020182626 A1

TITLE: Episomal non-transforming nucleic acid elements in functional genomic and antigenic applications

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tuse, Daniel	Vacaville	CA	US	

US-CL-CURRENT: 435/6; 435/455, 435/7.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 12. Document ID: US 20020165370 A1

L3: Entry 12 of 39 File: PGPB Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020165370
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020165370 A1

TITLE: Cytoplasmic gene inhibition or gene expression in transfected plants by a tobraviral vector

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Roberts, Peter D.	Benicia	CA	US	
Vaewhongs, Andy A.	Vacaville	CA	US	
Kumagai, Monto H.	Honolulu	HI	US	

US-CL-CURRENT: 536/23.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 13. Document ID: US 20020157131 A1

L3: Entry 13 of 39 File: PGPB Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020157131
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020157131 A1

TITLE: Cytoplasmic inhibition of gene expression and expression of a foreign protein in a monocot plant by a plant viral vector

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Holzberg, Steven P.	Fairfield	CA	US	
Pogue, Gregory P.	Vacaville	CA	US	

US-CL-CURRENT: 800/278; 435/235.1, 435/468, 435/69.1, 536/23.4, 536/23.72, 800/286, 800/288

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

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☐ 14. Document ID: US 20020155605 A1

L3: Entry 14 of 39 File: PGPB Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155605
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020155605 A1

TITLE: Cytoplasmic inhibition of gene expression

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto Hiroshi	Davis	CA	US	
Della-Cioppa, Guy Richard	Vacaville	CA	US	
Donson, Jonathan	Davis	CA	US	
Harvey, Damon Alan	Vacaville	CA	US	

US-CL-CURRENT: 435/414; 435/320.1, 435/468

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

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☐ 15. Document ID: US 20020132308 A1

L3: Entry 15 of 39 File: PGPB Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020132308
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020132308 A1

TITLE: Novel constructs and their use in metabolic pathway engineering

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liu, Lu	Redwood City	CA	US	
Zhu, Genhai	San Jose	CA	US	

US-CL-CURRENT: 435/91.2; 435/468

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 16. Document ID: US 20020128464 A1

L3: Entry 16 of 39 File: PGPB Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020128464
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020128464 A1

TITLE: Method of finding modulators of enzymes of the carotenoid biosynthetic pathway

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Busch, Marco	Langenfeld		DE	
Hain, Rudiger	Langenfeld		DE	

US-CL-CURRENT: 536/23.6; 435/189, 435/410, 800/317.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 17. Document ID: US 20020069429 A1

L3: Entry 17 of 39 File: PGPB Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069429
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020069429 A1

TITLE: Method for conferring herbicide, pest, or disease resistance in plant hosts

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kumagai, Monto H.	Davis	CA	US	
Della-Cioppa, Guy R.	Vacaville	CA	US	

US-CL-CURRENT: 800/279; 435/6, 800/280

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc
Image

☐ 18. Document ID: US 20020053094 A1

L3: Entry 18 of 39 File: PGPB May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020053094
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020053094 A1

TITLE: EXPRESSION OF EUKARYOTIC PEPTIDES IN PLANT PLASTIDS

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MCBRIDE, KEVIN E.	DAVIS	CA	US	
NEHRA, NARENDER	CHESTERFIELD	MO	US	
RUSSELL, DOUGLAS A.	MADISON	WI	US	
STALKER, DAVID M.	WOODLAND	CA	US	
STAUB, JEFFREY M.	CHESTERFIELD	MO	US	

US-CL-CURRENT: 800/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc
Image

☐ 19. Document ID: US 20010006797 A1

L3: Entry 19 of 39 File: PGPB Jul 5, 2001

PGPUB-DOCUMENT-NUMBER: 20010006797
PGPUB-FILING-TYPE: new-utility
DOCUMENT-IDENTIFIER: US 20010006797 A1

TITLE: CYTOPLASMIC INHIBITION OF GENE EXPRESSION BY VIRAL RNA

PUBLICATION-DATE: July 5, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
KUMAGAI, MONTO H.	DAVIS	CA	US	
DELLA-CIOPPA, GUY R.	VACAVILLE	CA	US	
DONSON, JONATHAN	OAK PARK	CA	US	
HARVEY, DAMON A.	BERKELEY	CA	US	
GRILL, LAURENCE K.	VACAVILLE	CA	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/375, 435/410, 435/468

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc
Image

☐ 20. Document ID: US 6512162 B2

L3: Entry 20 of 39 File: USPT Jan 28, 2003

US-PAT-NO: 6512162
DOCUMENT-IDENTIFIER: US 6512162 B2

TITLE: Expression of eukaryotic peptides in plant plastids

DATE-ISSUED: January 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McBride; Kevin E.	Davis	CA		
Nehra; Narender	Chesterfield	MO		
Russell; Douglas A.	Madison	WI		
Stalker; David M.	Woodland	CA		
Staub; Jeffrey M.	Chesterfield	MO		

US-CL-CURRENT: 800/278; 435/419, 435/468, 536/23.5, 536/23.6, 536/23.7, 536/23.72, 536/24.1, 800/287, 800/288

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

Generate Collection | Print

Terms	Documents
L2 same (gene$3 or isolat$3 or recombin$4 or clon$4)	39

Display Format: - Change Format

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Search Results - Record(s) 21 through 30 of 39 returned.

☐ 21. Document ID: US 6492578 B1

L3: Entry 21 of 39 File: USPT Dec 10, 2002

US-PAT-NO: 6492578
DOCUMENT-IDENTIFIER: US 6492578 B1

TITLE: Expression of herbicide tolerance genes in plant plastids

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Staub; Jeffrey M.	Chesterfield	MO		
Hajdukiewicz; Peter	Chesterfield	MO		
McBride; Kevin E.	Davis	CA		
Nehra; Narender	Chesterfield	MO		
Schaaf; David J.	Davis	CA		
Stalker; David M.	Woodland	CA		
Ye; Guangning	Ellisville	MO		

US-CL-CURRENT: 800/300; 435/418, 435/419, 435/468, 435/69.1, 536/23.2, 536/23.6, 536/23.7, 536/23.72, 536/24.1, 800/278 , 800/287, 800/288

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

☐ 22. Document ID: US 6479291 B2

L3: Entry 22 of 39 File: USPT Nov 12, 2002

US-PAT-NO: 6479291
DOCUMENT-IDENTIFIER: US 6479291 B2

TITLE: Cytoplasmic inhibition of gene expression by viral RNA

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kumagai; Monto H.	Davis	CA		
Della-Cioppa; Guy R.	Vacaville	CA		
Donson; Jonathan	Oak Park	CA		
Harvey; Damon A.	Berkeley	CA		
Grill; Laurence K.	Vacaville	CA		

US-CL-CURRENT: 435/468; 435/320.1, 435/410

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 23. Document ID: US 6426185 B1

L3: Entry 23 of 39 File: USPT Jul 30, 2002

US-PAT-NO: 6426185
DOCUMENT-IDENTIFIER: US 6426185 B1

TITLE: Method of compiling a functional gene profile in a plant by transfecting a nucleic acid sequence of a donor plant into a different host plant in an anti-sense orientation

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kumagai; Monto H.	Davis	CA		
della-Cioppa; Guy R.	Vacaville	CA		
Erwin; Robert L.	Vacaville	CA		
McGee; David R.	Vacaville	CA		

US-CL-CURRENT: 435/6; 435/468, 435/91.1, 536/23.1, 536/23.6, 536/23.72, 536/24.1, 536/24.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 24. Document ID: US 6376752 B1

L3: Entry 24 of 39 File: USPT Apr 23, 2002

US-PAT-NO: 6376752
DOCUMENT-IDENTIFIER: US 6376752 B1

TITLE: Cytoplasmic inhibition of gene expression in a plant

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kumagai; Monto H.	Davis	CA		
Della-Cioppa; Guy R.	Vacaville	CA		
Donson; Jonathan	Oak Park	CA		
Harvey; Damon A.	Berkeley	CA		
Grill; Laurence K.	Vacaville	CA		

US-CL-CURRENT: 800/295; 800/285, 800/286

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc
Image

25. Document ID: US 6303848 B1

L3: Entry 25 of 39 File: USPT Oct 16, 2001

US-PAT-NO: 6303848
DOCUMENT-IDENTIFIER: US 6303848 B1

TITLE: Method for conferring herbicide, pest, or disease resistance in plant hosts

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kumagai; Monto H.	Davis	CA		
della-Cioppa; Guy R.	Vacaville	CA		

US-CL-CURRENT: 800/300; 435/320.1, 435/468, 536/23.1, 536/23.2, 536/24.1, 800/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc
Image

26. Document ID: US 6271444 B1

L3: Entry 26 of 39 File: USPT Aug 7, 2001

US-PAT-NO: 6271444
DOCUMENT-IDENTIFIER: US 6271444 B1

TITLE: Enhancer elements for increased translation in plant plastids

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McBride; Kevin E.	Davis	CA		
Staub; Jeffrey M.	Chesterfield	MO		

US-CL-CURRENT: 800/300; 435/418, 435/419, 435/468, 435/69.1, 536/23.2, 536/23.6, 536/23.7, 536/23.72, 536/24.1, 800/278 , 800/287, 800/288

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw Desc
Image

27. Document ID: US 6252141 B1

L3: Entry 27 of 39 File: USPT Jun 26, 2001

US-PAT-NO: 6252141
DOCUMENT-IDENTIFIER: US 6252141 B1

TITLE: Tomato gene B polynucleotides coding for lycopene cyclase

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschberg; Joseph	Jerusalem			IL
Ronen; Gil	Beer-Sheva			IL
Zamir; Dany	Gedera			IL

US-CL-CURRENT: 800/298; 435/252.3, 435/419, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw. Desc | Image

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☐ 28. Document ID: US 5922602 A

L3: Entry 28 of 39 File: USPT Jul 13, 1999

US-PAT-NO: 5922602
DOCUMENT-IDENTIFIER: US 5922602 A

TITLE: Cytoplasmic inhibition of gene expression

DATE-ISSUED: July 13, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kumagai; Monto Hiroshi	Davis	CA		
della-Cioppa; Guy Richard	Vacaville	CA		
Donson; Jonathan	Davis	CA		
Harvey; Damon Alan	Vacaville	CA		
Grill; Laurence K.	Vacaville	CA		

US-CL-CURRENT: 435/468; 435/320.1, 435/419

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw. Desc | Image

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☐ 29. Document ID: US 5792903 A

L3: Entry 29 of 39 File: USPT Aug 11, 1998

US-PAT-NO: 5792903
DOCUMENT-IDENTIFIER: US 5792903 A

TITLE: Lycopene cyclase gene

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschberg; Joseph	Jerusalem			IL
Cunningham, Jr.; Francis Xavier	Chevy Chase	MD		
Gantt; Elisabeth	Bethseda	MD		

US-CL-CURRENT: 800/282; 435/243, 435/252.3, 435/252.8, 435/320.1, 435/419, 435/69.1, 435/70.1, 536/23.7, 800/295, 800/296, 800/300

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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30. Document ID: US 5705624 A

L3: Entry 30 of 39 File: USPT Jan 6, 1998

US-PAT-NO: 5705624
DOCUMENT-IDENTIFIER: US 5705624 A

TITLE: DNA sequences encoding enzymes useful in phytoene biosynthesis

DATE-ISSUED: January 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fitzmaurice; Wayne Paul	Vacaville	CA	95687	
Hellmann; Gary Mark	Clemmons	NC	27012	
Grill; Laurence Kay	Vacaville	CA	95688	
Kumagai; Monto Hiroshi	Davis	CA	95616	
della-Cioppa; Guy Richard	Vacaville	CA	95688	

US-CL-CURRENT: 536/23.2; 435/183, 536/23.6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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Terms	Documents
L2 same (gene$3 or isolat$3 or recombin$4 or clon$4)	39

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Search Results - Record(s) 31 through 39 of 39 returned.

☐ 31. Document ID: US 5684238 A

L3: Entry 31 of 39 File: USPT Nov 4, 1997

US-PAT-NO: 5684238
DOCUMENT-IDENTIFIER: US 5684238 A
**** See image for Certificate of Correction ****

TITLE: Biosynthesis of zeaxanthin and glycosylated zeaxanthin in genetically engineered hosts

DATE-ISSUED: November 4, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ausich; Rodney L.	Glen Ellyn	IL		
Brinkhaus; Friedhelm Luetke	Lisle	IL		
Mukharji; Indrani	Evanston	IL		
Proffitt; John H.	Oak Park	IL		
Yarger; James G.	St. Charles	IL		
Yen; Huei-Che Bill	Naperville	IL		

US-CL-CURRENT: 800/298; 435/189, 435/320.1, 435/67, 435/69.1, 536/23.2, 800/317.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 32. Document ID: US 5656472 A

L3: Entry 32 of 39 File: USPT Aug 12, 1997

US-PAT-NO: 5656472
DOCUMENT-IDENTIFIER: US 5656472 A
**** See image for Certificate of Correction ****

TITLE: Beta-carotene biosynthesis in genetically engineered hosts

DATE-ISSUED: August 12, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ausich; Rodney L.	Glen Ellyn	IL		
Brinkhaus; Friedhelm Luetke	Lisle	IL		
Mukharji; Indrani	Evanston	IL		
Proffitt; John	Oak Park	IL		
Yarger; James	St. Charles	IL		
Yen; Huei-Che Bill	Naperville	IL		

US-CL-CURRENT: 435/193; 435/189, 435/252.2, 435/252.3, 435/252.33, 435/320.1, 435/67, 435/69.1, 435/847, 536/23.1, 536/23.2, 536/23.6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

☐ 33. Document ID: US 5618988 A

L3: Entry 33 of 39 File: USPT Apr 8, 1997

US-PAT-NO: 5618988
DOCUMENT-IDENTIFIER: US 5618988 A

TITLE: Enhanced carotenoid accumulation in storage organs of genetically engineered plants

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hauptmann; Randal	Woodland	CA		
Eschenfeldt; William H.	St. Charles	IL		
English; Jami	Aurora	IL		
Brinkhaus; Friedhelm L.	Lisle	IL		

US-CL-CURRENT: 800/282; 800/294, 800/298

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

☐ 34. Document ID: US 5545816 A

L3: Entry 34 of 39 File: USPT Aug 13, 1996

US-PAT-NO: 5545816
DOCUMENT-IDENTIFIER: US 5545816 A

TITLE: Phytoene biosynthesis in genetically engineered hosts

DATE-ISSUED: August 13, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ausich; Rodney L.	Glen Ellyn	IL		
Brinkhaus; Friedhelm L.	Lisle	IL		
Mukharji; Indrani	Evanston	IL		
Proffitt; John	Oak Park	IL		
Yarger; James	St. Charles	IL		
Yen; Huei-Che B.	Naperville	IL		

US-CL-CURRENT: 800/298; 435/320.1, 536/23.2, 800/317.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

☐ 35. Document ID: US 5539093 A

L3: Entry 35 of 39 File: USPT Jul 23, 1996

US-PAT-NO: 5539093
DOCUMENT-IDENTIFIER: US 5539093 A

TITLE: DNA sequences encoding enzymes useful in carotenoid biosynthesis

DATE-ISSUED: July 23, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fitzmaurice; Wayne P.	Clemmons	NC	27012	
Hellmann; Gary M.	Clemmons	NC	27012	
Grill; Laurence K.	Vacaville	CA	95688	
Kumagai; Monto H.	Davis	CA	95616	
della-Cioppa; Guy R.	Vacaville	CA	95688	

US-CL-CURRENT: 536/23.2; 435/189

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc
Image

☐ 36. Document ID: US 5530189 A

L3: Entry 36 of 39 File: USPT Jun 25, 1996

US-PAT-NO: 5530189
DOCUMENT-IDENTIFIER: US 5530189 A

TITLE: Lycopene biosynthesis in genetically engineered hosts

DATE-ISSUED: June 25, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ausich; Rodney L.	Glen Ellyn	IL		
Brinkhaus; Friedhelm L.	Lisle	IL		
Mukharji; Indrani	Evanston	IL		
Proffitt; John	Oak Park	IL		
Yarger; James	St. Charles	IL		
Yen; Huei-Che B.	Naperville	IL		

US-CL-CURRENT: 800/298; 435/320.1, 536/23.2, 800/317.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 37. Document ID: US 5530188 A

L3: Entry 37 of 39 File: USPT Jun 25, 1996

US-PAT-NO: 5530188
DOCUMENT-IDENTIFIER: US 5530188 A

TITLE: Beta-carotene biosynthesis in genetically engineered hosts

DATE-ISSUED: June 25, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ausich; Rodney L.	Glen Ellyn	IL		
Brinkhaus; Friedhelm L.	Lisle	IL		
Mukharji; Indrani	Evanston	IL		
Proffitt; John	Oak Park	IL		
Yarger; James	St. Charles	IL		
Yen; Huei-Che B.	Naperville	IL		

US-CL-CURRENT: 800/282; 435/320.1, 536/23.2, 800/298, 800/317.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 38. Document ID: US 5705624 A

L3: Entry 38 of 39 File: DWPI Jan 6, 1998

DERWENT-ACC-NO: 1998-086196
DERWENT-WEEK: 199808
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TITLE: DNA encoding tobacco phytoene synthase polypeptides - useful for producing recombinant polypeptides or transgenic plants

INVENTOR: DELLA-CIOPPA, G R; FITZMAURICE, W P ; GRILL, L K ; HELLMANN, G M ; KUMAGAI, M H

PRIORITY-DATA: 1995US-0579667 (December 27, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5705624 A	January 6, 1998		025	C07H021/04

INT-CL (IPC): C07 H 21/04; C12 N 9/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

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☐ 39. Document ID: WO 9619103 A1 US 5633440 A

L3: Entry 39 of 39 File: DWPI Jun 27, 1996

DERWENT-ACC-NO: 1996-309200
DERWENT-WEEK: 199727
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TITLE: New plant P119 promoter - useful for generating transgenic plant, pref. tomato or tobacco, with e.g. herbicide, fungal disease or bacterial disease resistance

INVENTOR: DUNSMUIR, P; STOTT, J S

PRIORITY-DATA: 1994US-0359696 (December 20, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9619103 A1	June 27, 1996	E	050	A01H005/00
US 5633440 A	May 27, 1997		017	A01H005/00

INT-CL (IPC): A01 H 5/00; C12 N 5/04; C12 N 15/29; C12 N 15/82; C12 N 15/84

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

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Terms	Documents
L2 same (gene$3 or isolat$3 or recombin$4 or clon$4)	39

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